

**ABSTRACT**

Without utilizing a clearance between a moving magnet and a stator as a magnetic path, a length of the magnet in a moving direction is utilized in  
5 detection of the magnet effectively. In accordance with a percentage of a slider 110 having the magnet 111 that enters a movable area of the slider 100 while keeping a predetermined clearance to the stator 120 consisting of a magnetic body, a magnetically-sensitive sensor 130 provided in the stator 120 detects a position of the slider 110. A magnetic flux leakproof  
10 member 140 prevents magnetic flux generated in a part of the magnet 111 that does not enter the area from leaking out to the stator 120.